

What is claimed is:

1. (Amended)

A base station apparatus comprising:

a transmit power determining section that, out of
5 an initial transmission packet and a retransmission
packet to be transmitted to a mobile station apparatus
on a downlink, sets a transmit power of the retransmission
packet to a transmit power value so that a reception quality
of the retransmission packet at the mobile station
10 apparatus is lower than the reception quality of the
initial transmission packet at the mobile station
apparatus;

a control section that controls the transmit power
of the retransmission packet to the transmit power value
15 set by said transmit power determining section; and

a distribution section that distributes extra
transmit power found from the transmit power value set
by said transmit power determining section and a total
transmit power to a packet other than the retransmission
20 packet.

2. The base station apparatus according to claim 1,
wherein said transmit power determining section sets the
transmit power value of the retransmission packet to a
25 value lower than the transmit power value of the initial
transmission packet.

3. The base station apparatus according to claim 2,

wherein said transmit power determining section sets the transmit power value of the retransmission packet to a lower value as a retransmission count increases.

- 5 4. The base station apparatus according to claim 1, further comprising a calculation section that calculates a difference between downlink channel quality at the time of the initial transmission packet transmission and downlink channel quality at the time of the retransmission
10 packet transmission,

wherein said transmit power determining section determines the transmit power value of the retransmission packet according to the difference calculated by said calculation section.

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5. The base station apparatus according to claim 1, further comprising a gain determining section that determines a gain of an IR type hybrid ARQ over a CC type hybrid ARQ,

- 20 wherein said transmit power determining section determines the transmit power value of the retransmission packet according to the gain determined by said gain determining section.

- 25 6. (Canceled)

7. (Amended)

A method of controlling transmit power of a

retransmission packet comprising:

5 a transmit power determining step of setting a transmit power of a retransmission packet, out of an initial transmission packet and the retransmission packet to be transmitted to a mobile station apparatus on a downlink, to a transmit power value so that a reception quality of the retransmission packet at the mobile station apparatus is lower than the reception quality of the initial transmission packet at the mobile station
10 apparatus;

a control step of controlling the transmit power of the retransmission packet to the transmit power value set in said transmit power determining step; and

15 a distribution step of distributing extra transmit power found from the transmit power value set in said transmit power determining step and a total transmit power to a packet other than the retransmission packet.